IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with <u>underlining</u> and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims, AMEND claims, and ADD new claims, in accordance with the following:

1.   (ORIGINAL) A monitor for an injection molding machine, comprising:

sampling means for detecting, at every predetermined cycle, a variable varying in one molding cycle in an injection molding process and storing the detected variable; and

means for graphically displaying the variable for a plurality of molding cycles, with a first axis representing time, a second axis representing said variable and a third axis representing the number of molding cycles.

2.   (ORIGINAL) A monitor for an injection molding machine, comprising:

sampling means for detecting, at every predetermined cycle, at least the position of a movable member varying in one molding cycle in an injection molding process and one or more other variables and storing the detected variables; and

means for graphically displaying the variables for a plurality of molding cycles, with a first axis representing the position of said movable member, a second axis representing said other variable and a third axis representing the number of molding cycles.

3.   (ORIGINAL) A monitor for an injection molding machine, comprising:

sampling means for detecting, at every predetermined cycle, a variable varying in one molding cycle in an injection molding process and storing the detected variable; and

means for storing a time at a predetermined timing in each the molding cycle; and

means for graphically displaying the variables for a plurality of molding cycles, with a first axis representing time , a second axis representing said variable and a third axis representing said time.

4.   (ORIGINAL) A monitor for an injection molding machine, comprising:

sampling means for detecting, at every predetermined cycle, at least the position of a movable member varying in one molding cycle in an injection molding process and one or more other variables and storing the detected variables;

means for storing a time at a predetermined timing in each the molding cycle; and

means for graphically displaying the variables for a plurality of molding cycles, with a first axis representing the position of said movable member, a second axis representing said other variable and a third axis representing said time.

5.   (CURRENTLY AMENDED) The monitor for an injection molding machine according to any one of claims 1 to 4 claim 1, wherein the sampling means is provided in the injection molding machine.

6.   (CURRENTLY AMENDED) The monitor for an injection molding machine according to any one of claims 1 to 4 claim 1, wherein the sampling means is outside the injection molding machine and connected to the injection molding machine.

7.   (CURRENTLY AMENDED) The monitor for an injection molding machine according to any one of claims 1 to 4 claim 1, wherein said graphically displaying means is provided in the injection molding machine.

8.   (CURRENTLY AMENDED) The monitor for an injection molding machine according to any one of claims 1 to 4 claim 1, wherein said graphically displaying means is outside the injection molding machine and connected to the injection molding machine.

9.   (CURRENTLY AMENDED) The monitor for an injection molding machine according to any one of claims 1 to 4 claim 1, wherein said variable is a difference between a sampled variable and a reference variable which is a variable in a specific molding cycle.

10.   (CURRENTLY AMENDED) The monitor for an injection molding machine according to any one of claims 1 to 4 claim 1, wherein the variable varying in one molding cycle in the injection molding process includes one of injection pressure, injection velocity, a screw position, screw rotation speed, backpressure, motor torque, a mold opening/closing position/speed, an ejector position/speed, and temperatures of a cylinder or a nozzle.